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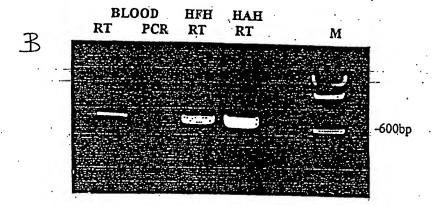
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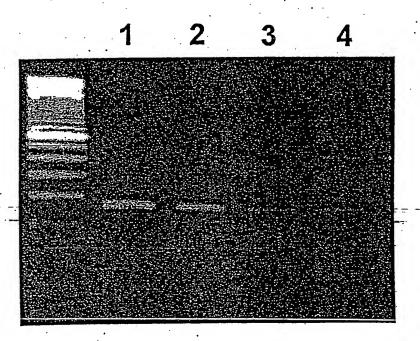
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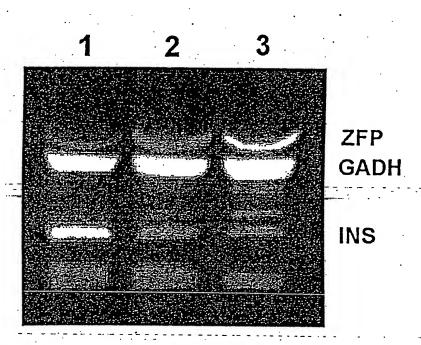
APP APC

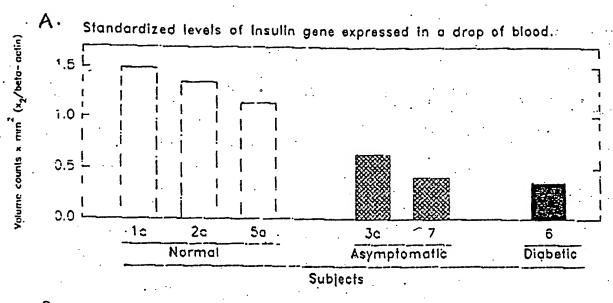
M RT PCR RT PCR

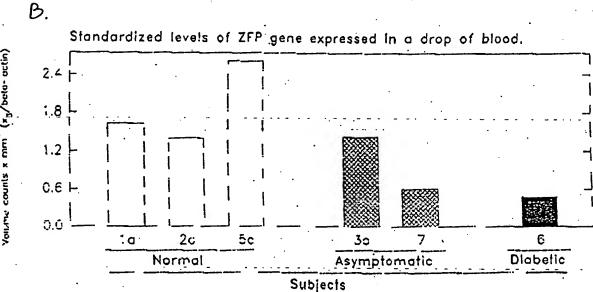
600bp-

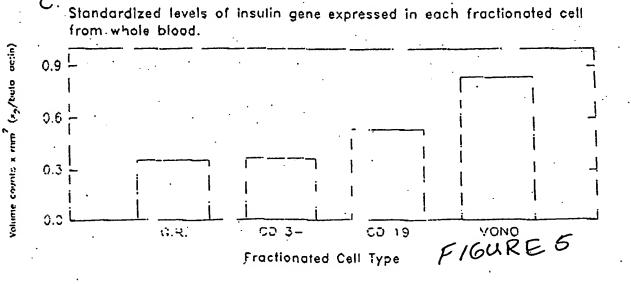












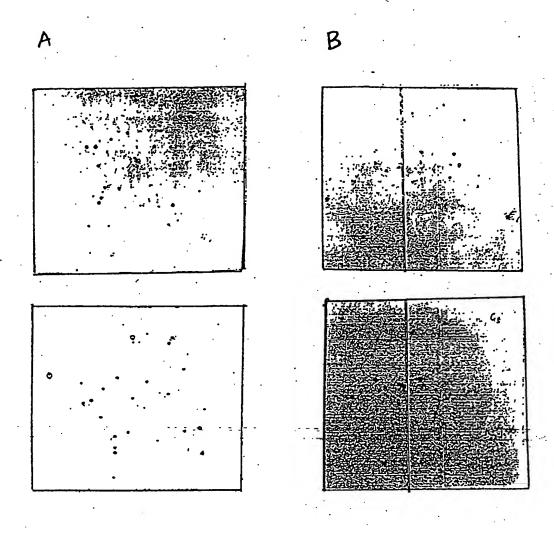


FIGURE 6

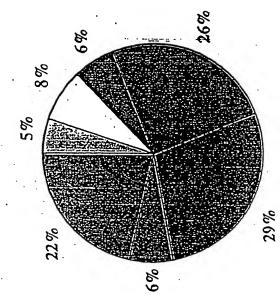
Total:13, 283 ESTs Known: 6,283 Mitochondrial: 405

Cell Division

Ribosome: 498 Repeat: 868

Mis.: 156 Novel: 2,718

### Human Blood



## Cell structure/Motility

☐ Cell Signalling/Communication

## Cell/organism defense

# 国 Gene/Protein expression



### **國 Unclassified**



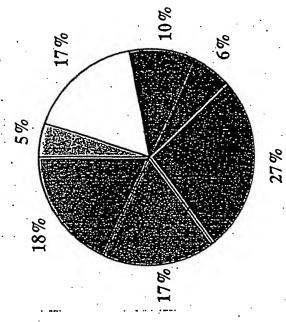
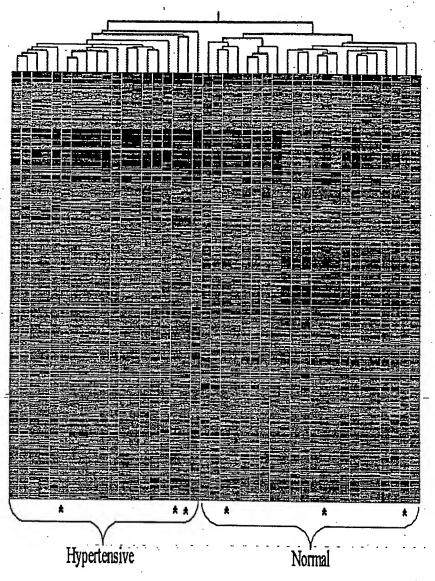


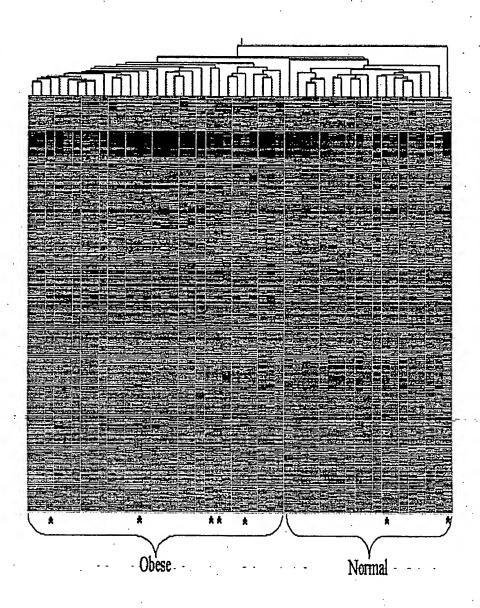
Figure 8
Hypertension



Hypertensive: 19

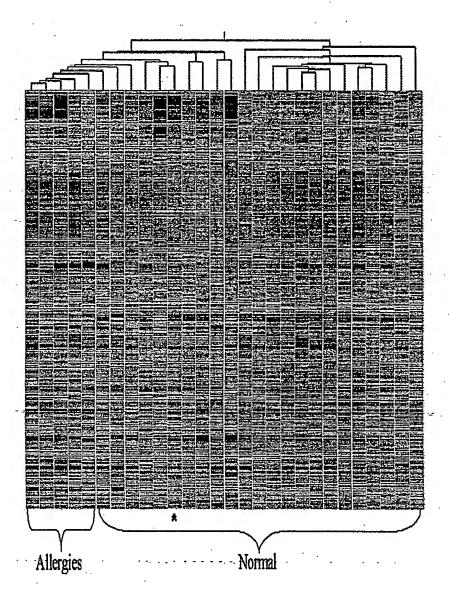
Normal: 22

Figure 9
Obesity



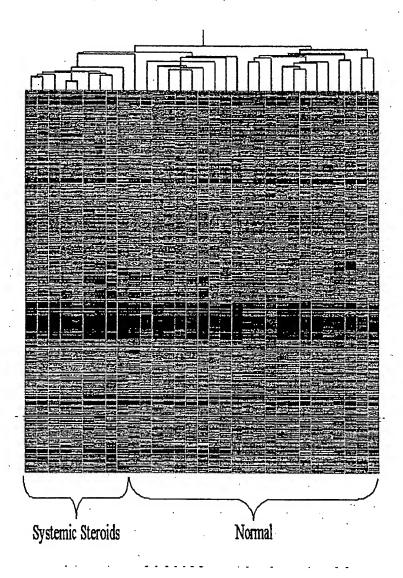
Obese: 25 Normal: 22

Figure 10 Allergies

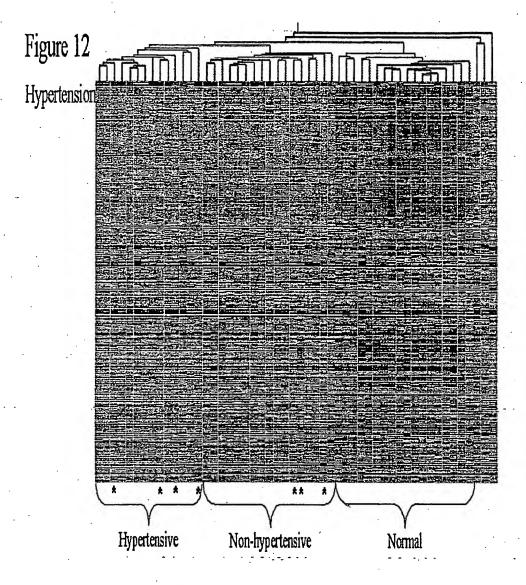


Allergies: 6
Normal: 22
Differentially Expressed Genes (p<0.05): 633

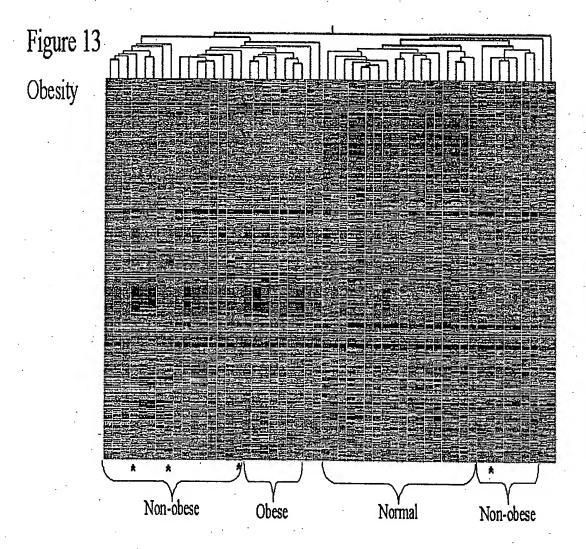
Figure 11
Systemic
Steroids



Systemic Steroids: 9
Normal: 22
Differentially Expressed Genes (p<0.05): 605



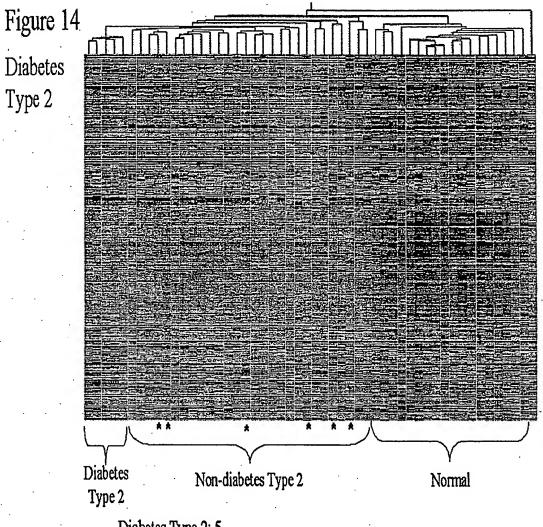
Hypertensive: 10
Non-hypertensive: 18
Normal: 24
Differentially Expressed Genes (p<0.05): 1,993



Obese: 8

Non-obese: 20

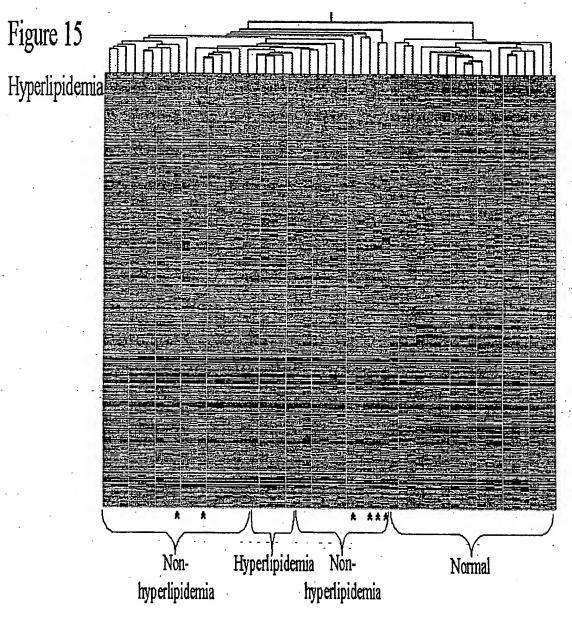
Normal: 24



Diabetes Type 2: 5

Non-diabetes Type 2: 23

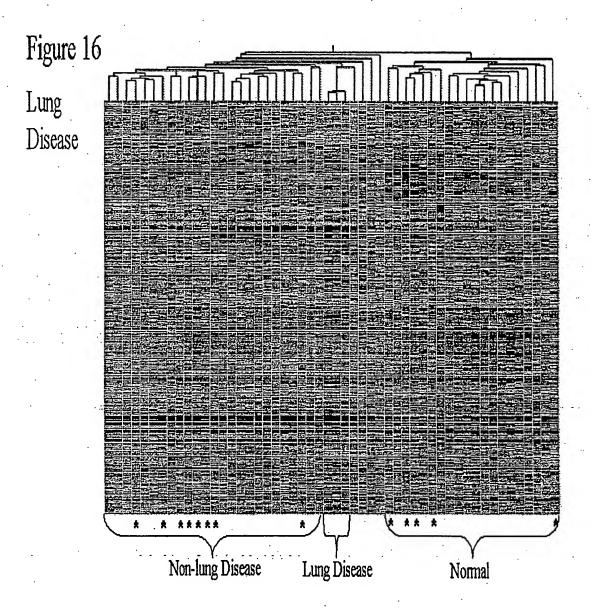
Normal: 24



Hyperlipidemia: 7

Non-hyperlipidemia: 21

Normal: 24

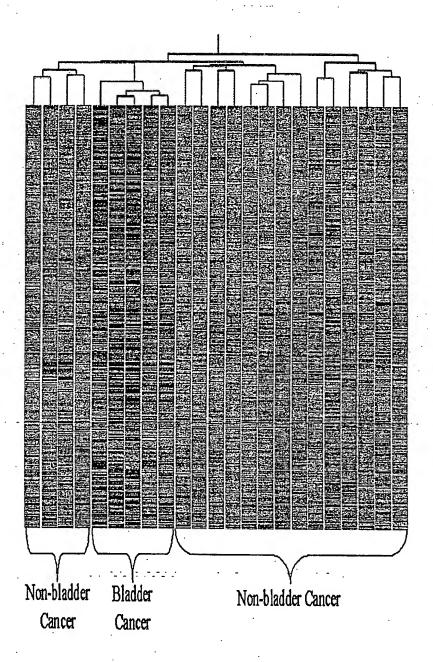


Lung Disease: 3

Non-lung Disease: 25

Normal: 24

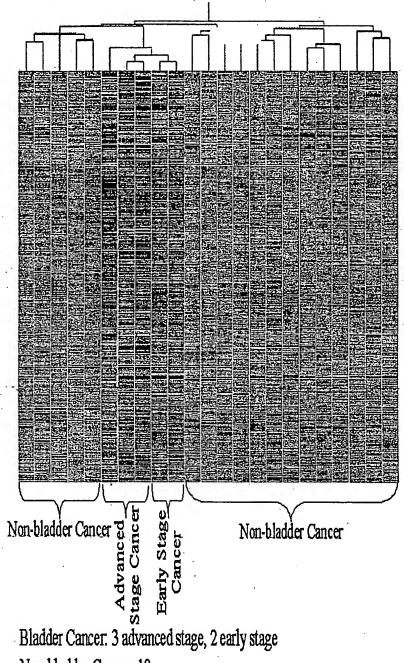
Figure 17
Bladder
Cancer



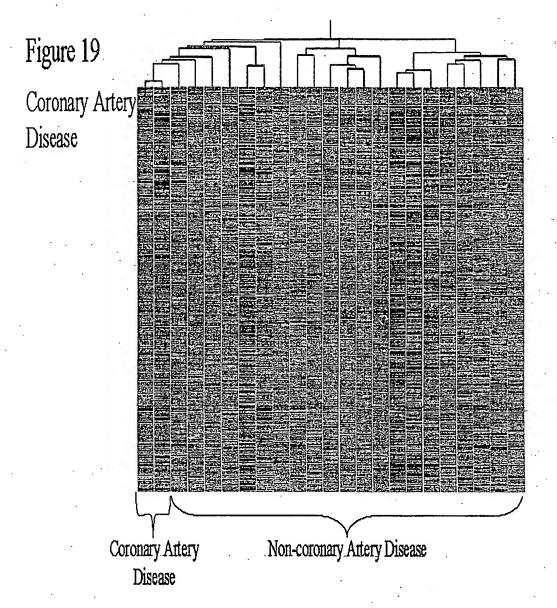
Bladder Cancer: 5 Non-bladder Cancer: 18 Differentially Expressed Genes (p<0.05): 4,228

Figure 18 Bladder

Cancer

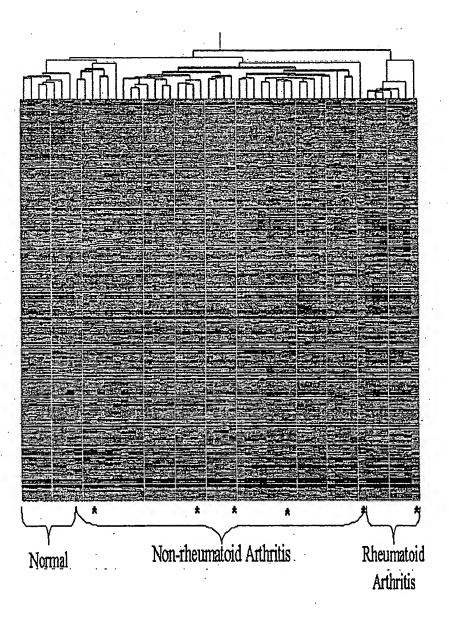


Non-bladder Cancer: 18



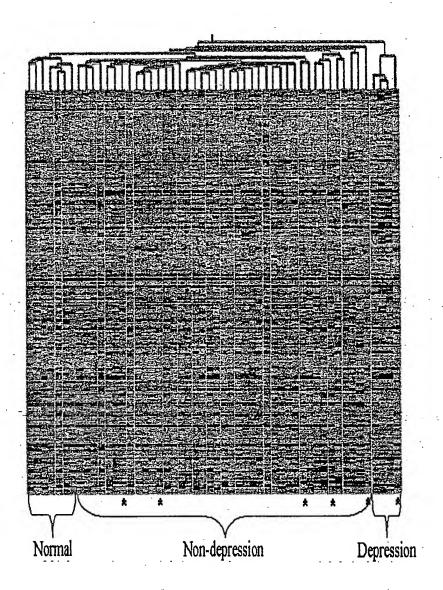
Coronary Artery Disease: 2 Non-coronary Artery Disease: 21

Figure 20
Rheumatoid
Arthritis



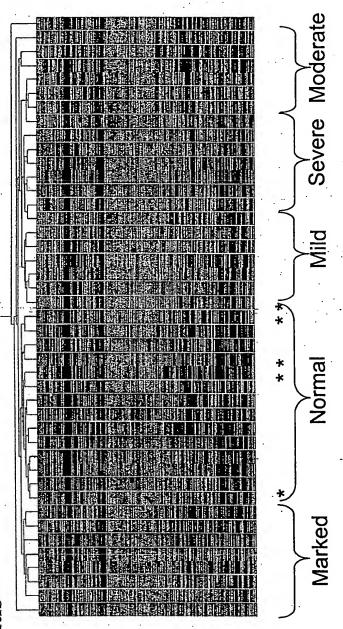
Rheumatoid Arthritis: 6
Non-rheumatoid Arthritis: 34
Normal: 12
Differentially Expressed Genes (p<0.05): 2,068

Figure 21
Depression



Depression: 3 Non-depression: 37 Normal: 12 Differentially Expressed Genes (p<0.05): 941

Osteoarthritis Figure 22



Osteoarthritis: 9 mild, 8 moderate, 8 marked, 9 severe Normal: 9

RT-PCR of overexpressed genes in CAD peripheral blood cells identified using microarray experiments, Figure 23

including PBP, PF4 and F13A.

Marker Couft, 1 Contr. 2 Confr. 3 CAD1 CAD2 CAD3 CAD4

Control of the Contro	The second secon	de tra ser sel dependrat de servició de sel servició.	A		the manners works experienced	Sample of the State of the Stat	The second second	The state of the s
Coagulation fractor XIII, A.				A28		AND DESCRIPTION	energy belly	d same than
Platelet Factor 4			Company of the control of the contro	the path of the				
Connective Tissue Activating Peptide III			10000000000000000000000000000000000000		STATE OF THE PARTY	A Commence of		
Beta-Actin	A STATE OF THE STA	Property Street				Residence of		

Figure 24

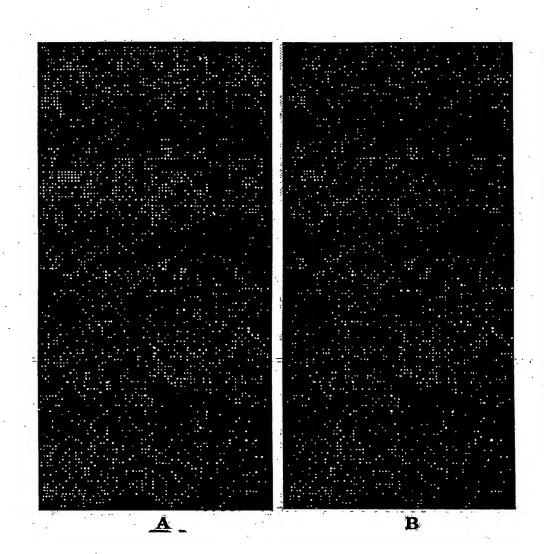
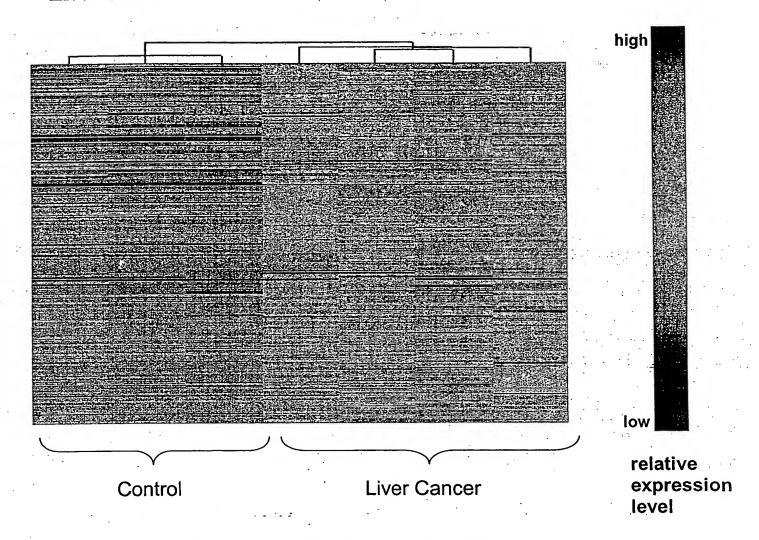
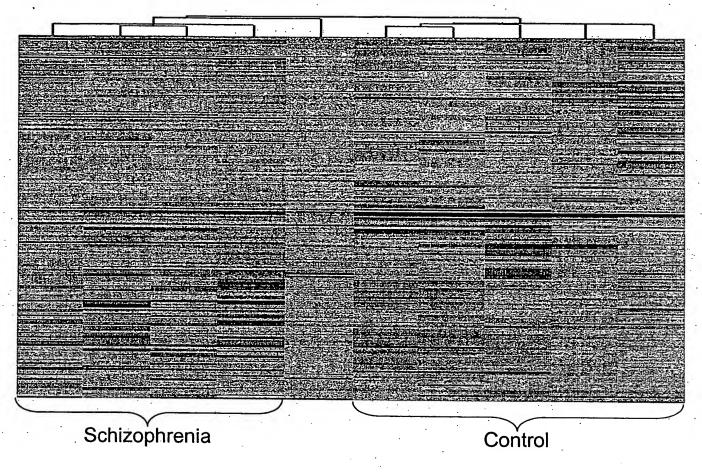


Figure 25
Liver Cancer



Control (red): n=3; Liver Cancer (orange): n=4

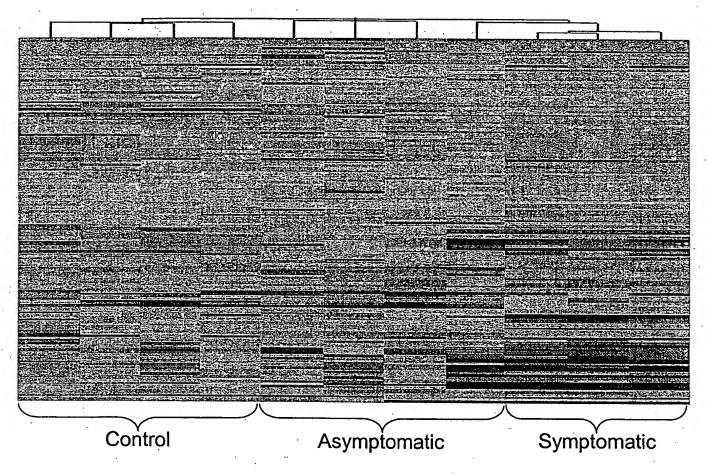
Figure 26
Schizophrenia



Control (red): n=6; Schizophrenia (orange): n=4

p<0.005 252 genes

Figure 27 Chagas Disease

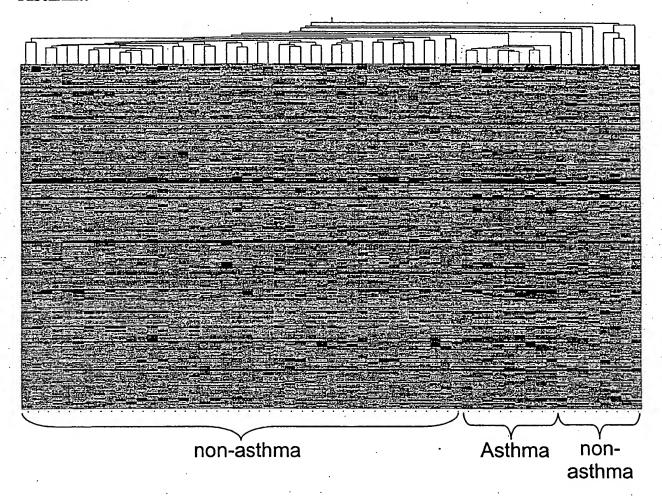


Control (orange): n=4; Chagas' asympt. (red): n=4; Chagas' sympt. (yellow): n=3

p<0.01 155 genes

Figure 28

#### Asthma

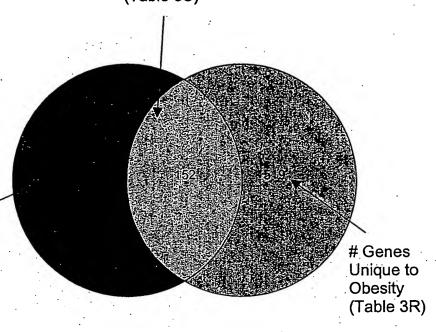


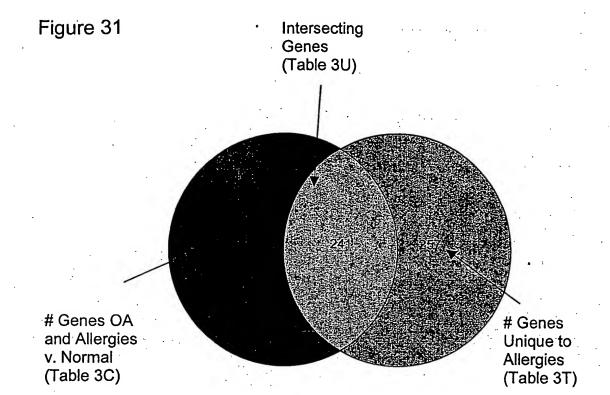
Asthma: n=9 Non-asthma: n=50

p<0.05 219 genes # Genes OA and Hypertension v. Normal (Table 3A-648+213)

Figure 30

# Genes OA and Obesity v. Normal (Table 3B) Intersecting Genes (Table 3S)





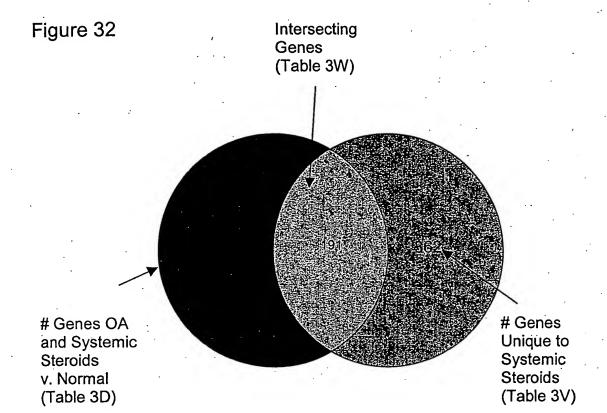
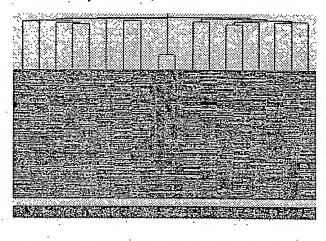


Figure 33

### Schizophrenia, Batch 2 vs. MDS

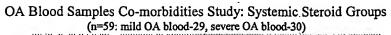


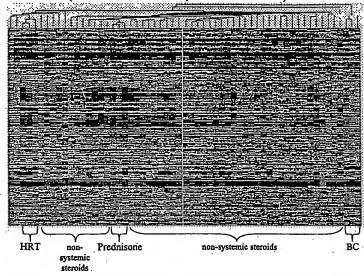
relative expression level

p<0.05 294 genes Schizophrenia (yellow): n=16; MDS (blue): n=2

MDS = Manic Depression Syndrome

Figure 34





Systemic Steroids (n=9): 3 prednisone, 3 birth control, 3 hormone replacement therapy Non-systemic steroids: 50
Differentially Expressed Genes (p<0.05): 396

HRT = hormone replacement therapy; BC = birth control